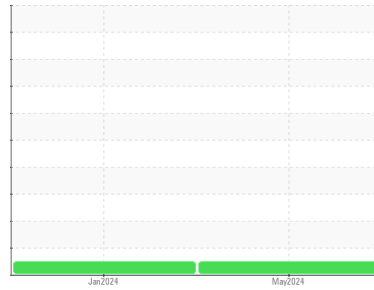


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**(P953276) Preferred Service-Tractor**  
 Machine Id  
**[Preferred Service-Tractor] 192A02014**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SHP 10W30 (36 QTS)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0123690</b>	PCA0115801	---
Sample Date	Client Info		<b>23 May 2024</b>	29 Jan 2024	---
Machine Age	mls	Client Info	<b>336349</b>	322720	---
Oil Age	mls	Client Info	<b>13626</b>	18400	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>NORMAL</b>	NORMAL	---

### CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>6.0	<b>&lt;1.0</b>	<1.0	---
Water	WC Method	>0.2	<b>NEG</b>	NEG	---
Glycol	WC Method		<b>NEG</b>	NEG	---

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >100	<b>20</b>	14	---
Chromium	ppm	ASTM D5185m >20	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m >2	<b>2</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>2</b>	<1	---
Silver	ppm	ASTM D5185m >2	<b>1</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>6</b>	3	---
Lead	ppm	ASTM D5185m >40	<b>4</b>	2	---
Copper	ppm	ASTM D5185m >330	<b>4</b>	3	---
Tin	ppm	ASTM D5185m >15	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 2	<b>1</b>	<1	---
Barium	ppm	ASTM D5185m 0	<b>1</b>	2	---
Molybdenum	ppm	ASTM D5185m 50	<b>78</b>	61	---
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m 950	<b>1227</b>	974	---
Calcium	ppm	ASTM D5185m 1050	<b>1331</b>	1028	---
Phosphorus	ppm	ASTM D5185m 995	<b>1233</b>	950	---
Zinc	ppm	ASTM D5185m 1180	<b>1564</b>	1242	---
Sulfur	ppm	ASTM D5185m 2600	<b>3651</b>	2852	---

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>5</b>	2	---
Sodium	ppm	ASTM D5185m	<b>4</b>	3	---
Potassium	ppm	ASTM D5185m >20	<b>6</b>	5	---

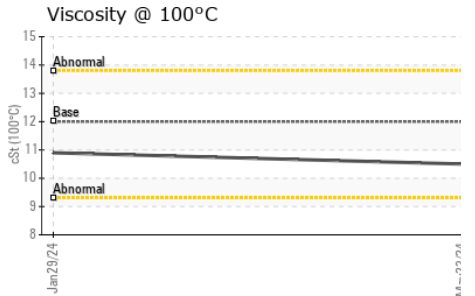
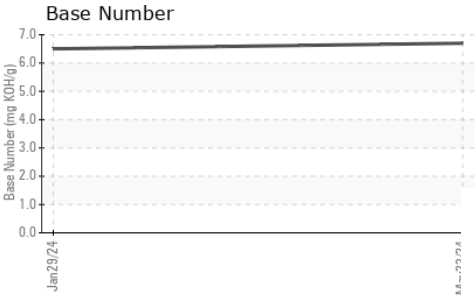
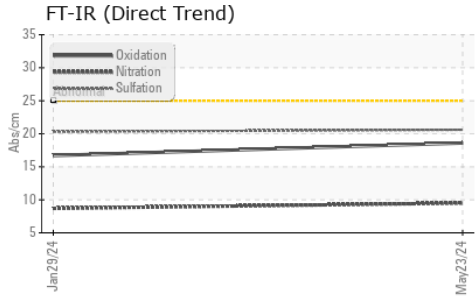
### INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844 >3	<b>0.4</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624 >20	<b>9.5</b>	8.7	---
Sulfation	Abs/.1mm	*ASTM D7415 >30	<b>20.6</b>	20.3	---

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414 >25	<b>18.6</b>	16.7	---
Base Number (BN)	mg KOH/g	ASTM D2896	<b>6.7</b>	6.5	---

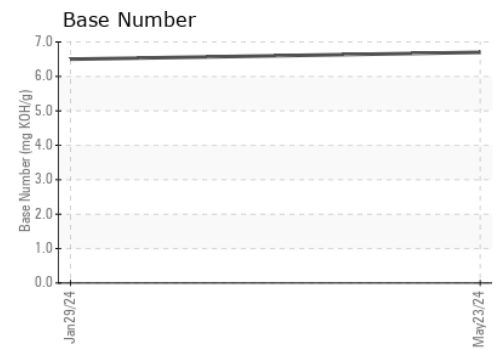
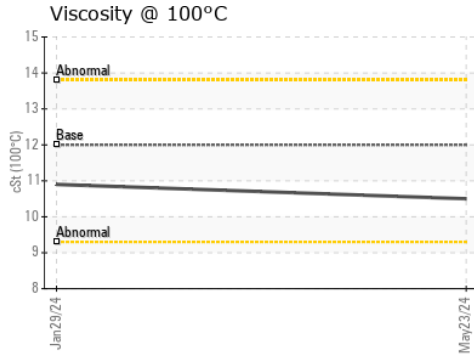
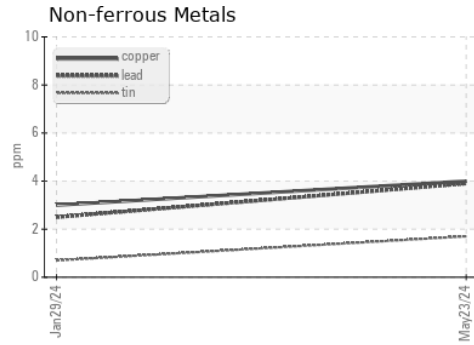
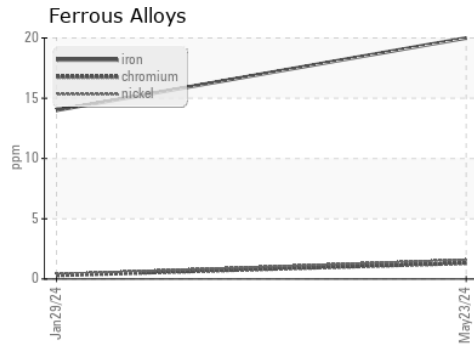
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	12.00	<b>10.5</b>	10.9	---

## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0123690  
**Lab Number** : **06191847**  
**Unique Number** : 11048599  
**Test Package** : FLEET

**Received** : 28 May 2024  
**Tested** : 29 May 2024  
**Diagnosed** : 30 May 2024 - Sean Felton

**Transervice - Shop 1920 - Preferred Service**  
 1955 W. North Avenue, Bldg K  
 Melrose Park, IL  
 US 60160

Contact: Tom Lindeman  
 tlindemann@transervice.com  
 T: (630)376-8946

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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